

A. OVERVIEW

The consultant will provide Bridge related services for NDOR such as:

1. Preliminary Engineering Services including Bridge Data Sheet development and Type, Size, and Location plans (TS&L's)

B. QUALIFICATIONS, KNOWLEDGE AND EXPERIENCE

1. All work shall be completed by or under the direct supervision of a Nebraska licensed professional civil engineer. The consultant firm shall use engineers experienced with all aspects of bridge design related to the services to be provided..
2. The Consultant's team shall have working knowledge of and follow, when applicable:
 - a. Bridge design industry standards
 - b. The NDOR Bridge Office Policies and Procedures Manual. (BOPP)
 - c. AASHTO LRFD Bridge Design Specifications
 - d. NDOR Standard Specifications for Highway Construction
 - e. NDOR Approved Products List
 - f. Special Provisions and Specifications developed by the Special Projects Unit of NDOR's Bridge Division
 - g. Local, State and federal laws and regulations that pertain to bridge design

C. SOFTWARE AND EQUIPMENT REQUIREMENTS

1. The Consultant's design files must be compatible with MicroStation V08.11.09.829 or later (the State's drafting software), and must adhere to the State's drafting procedures, guidelines, and file naming convention. The design software must be GEOPAK V08.11.09.872 or later
2. Reports and documents must be submitted in a form compatible with Microsoft Office products unless otherwise directed
3. The Consultant will provide all software and computer equipment required to complete the work including any analysis software required to perform the bridge design work

D. EXPECTATIONS FOR THE DELIVERABLES

1. Plans and special provisions shall be developed in compliance with the manuals, guidelines and specifications as listed in the Qualifications, Knowledge and Experience section.
2. Bridge TS&L plans will be submitted to NDOR for review and comment and approval at the preliminary stage. Final turn-in shall include cost estimates
3. Plans will be completed and submitted in accordance with the schedule set out in the Task Orders.
4. Consultant's preliminary bridge design services will be used for a future design-build project.